The American Horologist and Jeweler

SEMI-ANNUAL INDEX

January to July, 1964

JANUARY

(3) In Competition ..... W. M. Woolfson
(16) AWI Professional Directory ..... H. B. Fried
(20) GIA Slates Resident Classes ..... Staff
(22) Information Please ..... Samelius Column
(32) Design of Electric Watches
Impulse and Contact ..... A. N. Borg
(34) Howes Store Updated ..... Staff
(36) Swiss Timing for Olympics ..... Staff
(39) Horology and Classical Architecture ..... C. J. Robb
(40) Clockwise and Otherwise ..... J. E. Coleman
(50) The Diamond ..... H. F. Collins
(53) Servicing Hamilton 694 Calendar ..... Staff
(54) Gruen Publishes Interchangeable Parts
Teble V ..... Staff
(56) The Oscilloscope ..... Don Burns
(62) Jewelry Repair and Engraving ..... R. A. Hardy
(68) WMDAA Sets World's Fair Convention ..... Staff
(69) Notes to Trade ..... Staff
(70) Mobile White Room Ultrasonics ..... Staff
(71) Called to Order ..... Staff
(72) New AWI Certification Course ..... AWI
(82) At the Bench ..... A. B. Perkins

FEBRUARY

(3) In Competition ..... W. M. Woolfson
(8) Know The Escapement ..... S&H Barkus
(12) More Compensation Through Education ..... H. L. Rapp
(16) J-B Over-Lok Center Catch ..... Staff
(18) Benrus Introduces Electronic Watch ..... Staff
(21) Eyeing Industry Developments ..... Staff
(22) Shells and Horology ..... C. J. Robb
(24) Information Please ..... Samelius Column
(32) Design of Electric Watches
Tuning Forks ..... A. N. Borg
(34) Clockwise and Otherwise ..... J. E. Coleman
(42) Your Material System Should Mature ..... Staff
(50) The Diamond ..... H. F. Collins
(54) Jewelry Repair and Engraving ..... R. A. Hardy
(57) Detroit Watch Promotion ..... Staff
(58) Newall Markets Precision-Made Pliers ..... Staff
(59) Notes to Trade ..... Staff
(60) Called to Order ..... Staff
(61) AWI Membership Value Appreciates ..... O. R. Hagens
(62) AWI Watch Mark File ..... AWI
(68) At the Bench ..... A. B. Perkins

MARCH

(3) In Competition ..... W. M. Woolfson
(22) Eyeing Industry Developments ..... Staff
(24) Tschudin Honored by 2 Groups ..... Staff
(26) Information Please ..... Samelius Column
(36) Parechoc Tackles Micro-Engineering
and Horology ..... Staff
(40) New Hermes Devises Faster Engraving ..... Staff
(41) Swiss International Watch Sales School ..... Staff
(42) Clockwise and Otherwise ..... J. E. Coleman
(50) Hammel, Riglander Introduces Two
New Repair Lines ..... Staff
(52) Were Wooden Clocks Ever Made
In Tennessee? ..... J. E. Coleman
(57) Gold in Horology ..... C. J. Robb
(58) Benrus Expands ..... Staff
(59) Know The Escapement 2 ..... S&H Barkus
(64) NYU-Bulova Retail Course ..... Staff
(66) Ontario Gem Stones ..... H. F. Collins
(68) Jewelry Repair and Engraving ..... R. A. Hardy
(73) Design of Electric Watches
In the Future ..... A. N. Borg
(74) Notes to Trade ..... Staff
(76) Called to Order ..... Staff
(77) AWI Fosters Your Ambitions ..... AWI
(80) Culture Pearl Inspection ..... Staff
(86) At the Bench ..... A. B. Perkins

APRIL

(3) In Competition ..... W. M. Woolfson
(10) Bulova Researcher Sees Electronic
Watches Dominant ..... Staff
(16) Benrus Promotional Activities ..... Staff
(18) Servicing Bulova Lady's Self-Winding
Calendar Watch ..... Staff
(24) Rochester's Clock of The Nations ..... O. R. Hagens
(26) Information Please ..... Samelius Column
(32) Measuring Clock Mainsprings ..... A. B. Perkins
(34) Clockwise and Otherwise ..... J. E. Coleman
(48) AWI Collection in Smithsonian ..... Staff
(51) Know The Escapement 3 ..... S&H Barkus
(54) Teenage Buyer ..... H. F. Collins
(56) Jewelry Repair and Engraving ..... R. A. Hardy
(59) Eyeing Industry Developments ..... Staff
(61) Notes to Trade ..... Staff
(62) Called to Order ..... Staff
(63) Behind The Scenes AWI 1 ..... AWI
(64) AWI Watch Mark File ..... AWI
(70) At the Bench ..... A. B. Perkins

MAY

(3) In Competition ..... W. M. Woolfson
(10) Sun Clocks ..... C. J. Robb
(12) Universal Geneve Movable Stud ..... Staff
(24) Information Please ..... W. H. Samelius Column
(33) Watch Tariff Hearings ..... Staff
(35) A Tip on Mainsprings ..... H. Pease
(36) Clockwise and Otherwise ..... J. E. Coleman
(46) Cyclical Accutron Timers ..... Staff
(48) Know The Escapement 4 ..... S&H Barkus
(50) Incabloc Improves Oil Retention in
Jeweling ..... Staff
(51) Kentucky Floral Clock ..... O. R. Hagens
(52) Elgin Presents Watch to Smithsonian ..... Staff
(55) Notes to Trade ..... Staff
(58) Colored Stones ..... H. F. Collins
(60) Jewelry Repair and Engraving ..... R. A. Hardy
(66) AWI Behind the Scenes 2 ..... AWI
(74) At the Bench ..... A. B. Perkins

JUNE

(3) In Competition ..... W. M. Woolfson
(10) Watchmaking Instructors To Learn
Accutron Service ..... Staff
(12) WMDAA Plans Record Convention ..... Staff
(14) L&R Adds 2 Ultrasonic Machines ..... Staff
(16) Know The Escapement 5 ..... S&H Barkus
(20) New Vibrograf Tests Accutron ..... Staff
(22) Information Plecse ..... Samelius Column
(28) G.E. Presents Early Master Clock
To Smithsonian ..... Staff
(29) Clock Costs in 1804 ..... C. J. Robb
(30) Unusual Clocks Fahrney Collection ..... O. R. Hagens
(34) Clockwise and Otherwise ..... J. E. Coleman
(44) RJA Plans Biggest Show ..... Staff
(46) Repair and Service Benrus Electronic 1 ..... Staff
(49) Eyeing Industry Developments ..... Staff
(50) AWI Board of Directors ..... AWI
(50) Elgin's Century ..... Staff
(57) The Diamond ..... H. F. Collins
(59) Jewelry Repair and Engraving ..... R. A. Hardy
(64) AWI Behind the Scenes ..... AWI
(70) At the Bench ..... A. B. Perkins

Your AMERICAN HOROLOGIST AND JEWELER is VALUABLE

For handy reference PRESERVE your magazine in a sturdy BINDER built to hold a year's subscription. Neatly, Compactly, and Immediately Available.

$3.00 EACH

Please add 10 cents postage for each book ordered

ROBERTS BOOK COMPANY

P.O. Box 758 Bergen Park

Evergreen, Colorado

The American Horologist and Jeweler

SEMI-ANNUAL INDEX

January to July, 1964

JANUARY

(3) In Competition ..... W. M. Woolfson
(16) AWI Professional Directory ..... H. B. Fried
(20) GIA Slates Resident Classes ..... Staff
(22) Information Please ..... Samelius Column
(32) Design of Electric Watches
Impulse and Contact ..... A. N. Borg
(34) Howes Store Updated ..... Staff
(36) Swiss Timing for Olympics ..... Staff
(39) Horology and Classical Architecture ..... C. J. Robb
(40) Clockwise and Otherwise ..... J. E. Coleman
(50) The Diamond ..... H. F. Collins
(53) Servicing Hamilton 694 Calendar ..... Staff
(54) Gruen Publishes Interchangeable Parts
Teble V ..... Staff
(56) The Oscilloscope ..... Don Burns
(62) Jewelry Repair and Engraving ..... R. A. Hardy
(68) WMDAA Sets World's Fair Convention ..... Staff
(69) Notes to Trade ..... Staff
(70) Mobile White Room Ultrasonics ..... Staff
(71) Called to Order ..... Staff
(72) New AWI Certification Course ..... AWI
(82) At the Bench ..... A. B. Perkins

FEBRUARY

(3) In Competition ..... W. M. Woolfson
(8) Know The Escapement ..... S&H Barkus
(12) More Compensation Through Education ..... H. L. Rapp
(16) J-B Over-Lok Center Catch ..... Staff
(18) Benrus Introduces Electronic Watch ..... Staff
(21) Eyeing Industry Developments ..... Staff
(22) Shells and Horology ..... C. J. Robb
(24) Information Please ..... Samelius Column
(32) Design of Electric Watches
Tuning Forks ..... A. N. Borg
(34) Clockwise and Otherwise ..... J. E. Coleman
(42) Your Material System Should Mature ..... Staff
(50) The Diamond ..... H. F. Collins
(54) Jewelry Repair and Engraving ..... R. A. Hardy
(57) Detroit Watch Promotion ..... Staff
(58) Newall Markets Precision-Made Pliers ..... Staff
(59) Notes to Trade ..... Staff
(60) Called to Order ..... Staff
(61) AWI Membership Value Appreciates ..... O. R. Hagens
(62) AWI Watch Mark File ..... AWI
(68) At the Bench ..... A. B. Perkins

MARCH

(3) In Competition ..... W. M. Woolfson
(22) Eyeing Industry Developments ..... Staff
(24) Tschudin Honored by 2 Groups ..... Staff
(26) Information Please ..... Samelius Column
(36) Parechoc Tackles Micro-Engineering
and Horology ..... Staff
(40) New Hermes Devises Faster Engraving ..... Staff
(41) Swiss International Watch Sales School ..... Staff
(42) Clockwise and Otherwise ..... J. E. Coleman
(50) Hammel, Riglander Introduces Two
New Repair Lines ..... Staff
(52) Were Wooden Clocks Ever Made
In Tennessee? ..... J. E. Coleman
(57) Gold in Horology ..... C. J. Robb
(58) Benrus Expands ..... Staff
(59) Know The Escapement 2 ..... S&H Barkus
(64) NYU-Bulova Retail Course ..... Staff
(66) Ontario Gem Stones ..... H. F. Collins
(68) Jewelry Repair and Engraving ..... R. A. Hardy
(73) Design of Electric Watches
In the Future ..... A. N. Borg
(74) Notes to Trade ..... Staff
(76) Called to Order ..... Staff
(77) AWI Fosters Your Ambitions ..... AWI
(80) Culture Pearl Inspection ..... Staff
(86) At the Bench ..... A. B. Perkins

APRIL

(3) In Competition ..... W. M. Woolfson
(10) Bulova Researcher Sees Electronic
Watches Dominant ..... Staff
(16) Benrus Promotional Activities ..... Staff
(18) Servicing Bulova Lady's Self-Winding
Calendar Watch ..... Staff
(24) Rochester's Clock of The Nations ..... O. R. Hagens
(26) Information Please ..... Samelius Column
(32) Measuring Clock Mainsprings ..... A. B. Perkins
(34) Clockwise and Otherwise ..... J. E. Coleman
(48) AWI Collection in Smithsonian ..... Staff
(51) Know The Escapement 3 ..... S&H Barkus
(54) Teenage Buyer ..... H. F. Collins
(56) Jewelry Repair and Engraving ..... R. A. Hardy
(59) Eyeing Industry Developments ..... Staff
(61) Notes to Trade ..... Staff
(62) Called to Order ..... Staff
(63) Behind The Scenes AWI 1 ..... AWI
(64) AWI Watch Mark File ..... AWI
(70) At the Bench ..... A. B. Perkins

MAY

(3) In Competition ..... W. M. Woolfson
(10) Sun Clocks ..... C. J. Robb
(12) Universal Geneve Movable Stud ..... Staff
(24) Information Please ..... W. H. Samelius Column
(33) Watch Tariff Hearings ..... Staff
(35) A Tip on Mainsprings ..... H. Pease
(36) Clockwise and Otherwise ..... J. E. Coleman
(46) Cyclical Accutron Timers ..... Staff
(48) Know The Escapement 4 ..... S&H Barkus
(50) Incabloc Improves Oil Retention in
Jeweling ..... Staff
(51) Kentucky Floral Clock ..... O. R. Hagens
(52) Elgin Presents Watch to Smithsonian ..... Staff
(55) Notes to Trade ..... Staff
(58) Colored Stones ..... H. F. Collins
(60) Jewelry Repair and Engraving ..... R. A. Hardy
(66) AWI Behind the Scenes 2 ..... AWI
(74) At the Bench ..... A. B. Perkins

JUNE

(3) In Competition ..... W. M. Woolfson
(10) Watchmaking Instructors To Learn
Accutron Service ..... Staff
(12) WMDAA Plans Record Convention ..... Staff
(14) L&R Adds 2 Ultrasonic Machines ..... Staff
(16) Know The Escapement 5 ..... S&H Barkus
(20) New Vibrograf Tests Accutron ..... Staff
(22) Information Plecse ..... Samelius Column
(28) G.E. Presents Early Master Clock
To Smithsonian ..... Staff
(29) Clock Costs in 1804 ..... C. J. Robb
(30) Unusual Clocks Fahrney Collection ..... O. R. Hagens
(34) Clockwise and Otherwise ..... J. E. Coleman
(44) RJA Plans Biggest Show ..... Staff
(46) Repair and Service Benrus Electronic 1 ..... Staff
(49) Eyeing Industry Developments ..... Staff
(50) AWI Board of Directors ..... AWI
(50) Elgin's Century ..... Staff
(57) The Diamond ..... H. F. Collins
(59) Jewelry Repair and Engraving ..... R. A. Hardy
(64) AWI Behind the Scenes ..... AWI
(70) At the Bench ..... A. B. Perkins

Your AMERICAN HOROLOGIST AND JEWELER is VALUABLE

For handy reference PRESERVE your magazine in a sturdy BINDER built to hold a year's subscription. Neatly, Compactly, and Immediately Available.

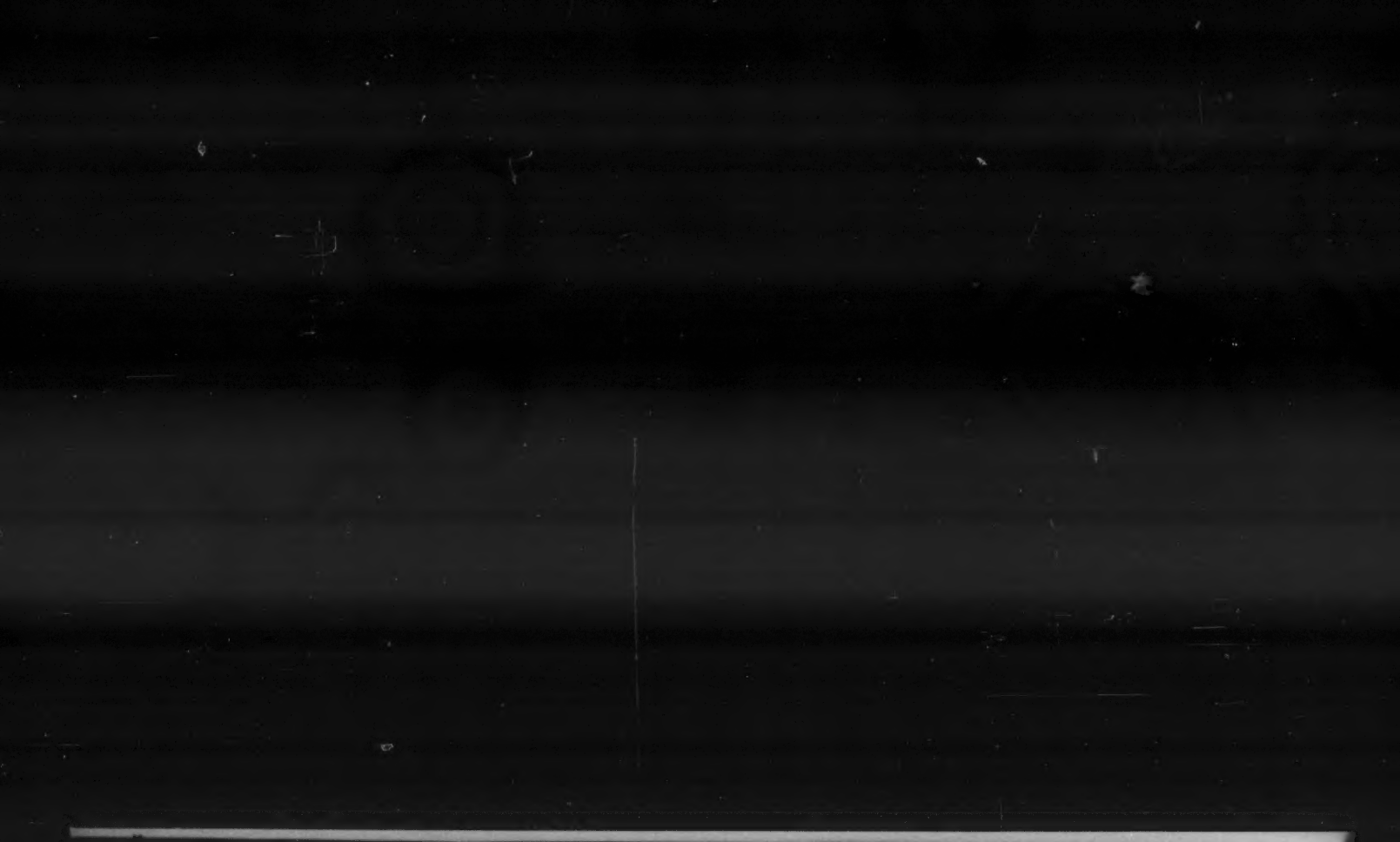
$3.00 EACH

Please add 10 cents postage for each book ordered

ROBERTS BOOK COMPANY

P.O. Box 758 Bergen Park

Evergreen, Colorado



The American Horologist and Jeweler

SEMI-ANNUAL INDEX

July to December 1964

JULY

(3) In Competition ..... W. M. Woolfson
(14) Letter to Editor Contest ..... J. Markowski
(18) Numeration of Clocks and Watches .... C. J. Robb
(22) Understanding Mechanism of LeCoultre 880 ..... Technical
(26) Hammel, Riglander Stresses Repair Materials ..... Staff
(28) Seiko Watch Exports to Double ..... Staff
(32) Information Please ..... W. H. Samelius
(40) How To Service and Repair Benrus Electronic 2 ..... Technical
(44) Clockwise and Otherwise ..... J. E. Coleman
(52) RJA Show ..... Staff
(58) Fahrney Collection 2 ..... O. R. Hagans
(61) Know The Escapement ..... S. & H. Barkus
(68) The Cultured Pearl ..... H. F. Collins
(70) Jewelry Repair and Engraving ..... R. A. Hardy
(76) Henshel Talks to WMDAA ..... Staff
(81) AWI Technical Bulletins ..... AWI
(90) At The Bench ..... A. B. Perkins

AUGUST

(3) In Competition ..... W. M. Woolfson
(8) WMDAA Convention Elects Abe Katz President ..... Staff
(14) Ebauches Expands World Service Facilities ..... A. S. Keshin
(17) Understanding Mechanism of LeCoultre 880 ..... Technical
(20) Information Please ..... W. H. Samelius
(26) How to Service and Repair Benrus Electronic 3 ..... Technical
(28) Jacoby Bender Cited for Top Merchandising Staff
(29) Aristo Develops Three Dial Stop Watch ..... Staff
(30) How to Beat The Pin Lever ..... M. J. Silbert
(32) Clockwise and Otherwise ..... J. E. Coleman
(40) Know The Escapement ..... S. & H. Barkus
(41) RJA Show Measures Market ..... Staff
(50) Jewelry Repair and Engraving ..... R. A. Hardy
(54) The Diamond ..... H. F. Collins
(55) Notes to Trade ..... Staff
(56) Called to Order ..... Staff
(57) Microscopic Camera Makes Gem Identification Easier ..... Staff
(58) Seven Elected to AWI Board ..... AWI
(66) At The Bench ..... A. B. Perkins

SEPTEMBER

(3) In Competition ..... W. M. Woolfson
(20) Watch Business Looks Better ..... Staff
(22) Information Please ..... W. H. Samelius
(28) How To Service and Repair Benrus Electronic 4 ..... Technical
(31) The Seasons Clock ..... C. J. Robb
(32) Clockwise and Otherwise ..... J. E. Coleman
(40) Know The Escapement ..... S. & H. Barkus
(43) Understanding Mechanism of LeCoultre 880 ..... Technical
(44) Bulova Accutron Receives Recognition ..... Staff
(45) J. B. Establishes Easy Merchandising ..... Staff
(46) Benrus to Introduce Chronometer ..... Staff
(47) Solomon Develops National Business ..... Staff
(50) Jewelry Repair and Engraving ..... R. A. Hardy
(53) Diamonds ..... H. F. Collins
(55) Notes to Trade ..... Staff
(56) Swiss Retailers Highly Specialized .... A. S. Keshin
(58) Called to Order ..... Staff
(59) Clinton Aderman Elected AWI President .... AWI
(66) At The Bench ..... A. B. Perkins

OCTOBER

(3) In Competition ..... W. M. Woolfson
(8) Watch Business Looks Better ..... Staff
(16) Letter To Editor Contest ..... A. J. Anklam
(20) Zale Quarters Provide Security, Efficiency .. Staff
(21) Longines Works for Fair Trade ..... Staff
(22) RJA President Predicts Continued Opportunity ..... Staff
(26) Information Please ..... W. H. Samelius
(32) 17th Century Water Clock ..... O. R. Hagans
(35) Makin Contra Watch ..... Staff
(36) Clockwise and Otherwise ..... J. E. Coleman
(46) Know The Escapement ..... S. & H. Barkus
(50) How To Service and Repair Benrus Electronic 5 ..... Technical
(52) Understanding Mechanism of LeCoultre 880 ..... Technical
(54) Update With Diamonds ..... H. F. Collins
(56) Jewelry Repair and Engraving ..... R. A. Hardy
(61) Secticon Boat Clock ..... Staff
(62) Retailers Should Not Lean on Factory Watch Repair ..... Staff
(63) Military Clock ..... C. J. Robb
(65) Called to Order ..... Staff
(66) Notes to Trade ..... Staff
(67) AWI Board Plans For Local Watchmaker .... AWI
(74) At The Bench ..... A. B. Perkins

NOVEMBER

(3) In Competition ..... W. M. Woolfson
(8) Circular Machine Engraving Developed by New Hermes ..... Staff
(14) Bonded Messenger Catalog Reflects Watchmaking Changes ..... Staff
(20) Watch Business Looks Better ..... Staff
(22) Information Please ..... W. H. Samelius
(31) Watchmakers Skill Develops Torque Controlled Timer ..... Staff
(32) Clockwise and Otherwise ..... J. E. Coleman
(40) Brilliants in Design ..... Staff
(41) Diamonds International Awards ..... Staff
(43) Automata by James Cox ..... O. R. Hagans
(44) Understanding Mechanism of LeCoultre 880 ..... Technical
(46) Benrus Plans Completion of $3,000,000 Plant ..... Staff
(48) Know The Escapement ..... S. & H. Barkus
(50) Jewelry Repair and Engraving ..... R. A. Hardy
(55) The Diamond ..... H. F. Collins
(57) Notes to Trade ..... Staff
(58) Called to Order ..... Staff
(59) AWI Is Broadening Communications ..... AWI
(66) At The Bench ..... A. B. Perkins

DECEMBER

(3) In Competition ..... W. M. Woolfson
(8) Jewelers Are Key To Watch Sales ..... Staff
(10) Cultured Pearl Grading Described ..... Staff
(12) Know The Escapement ..... S. & H. Barkus
(13) Certificates Dramatize Benrus Chronometer Staff
(14) Information Please ..... W. H. Samelius
(18) Watchmaker's Skill Develops Torque Controlled Timer ..... Staff
(21) Tariff Commission Denies Watch Industry Plea ..... Staff
(22) Minute Striking and Calendar Clock ..... O. R. Hagans
(26) Clockwise and Otherwise ..... J. E. Coleman
(34) Understanding Mechanism of LeCoultre 881 Calendar ..... Technical
(36) Notes to Trade ..... Staff
(37) Diamonds ..... H. F. Collins
(33) Bulova Self-Winding and Self-Winding Calendar Watches ..... Technical
(40) Jewelry Repair and Engraving ..... R. A. Hardy
(45) Called to Order ..... Staff
(46) AWI Wins Praise From Members ..... AWI
(54) At The Bench ..... A. B. Perkins

Your AMERICAN HOROLOGIST AND JEWELER is VALUABLE

For handy reference PRESERVE your magazine in a sturdy BINDER built to hold a year's subscription. Neatly, Compactly, and Immediately Available.

$3.00 EACH

Please add 10 cents postage for each book ordered

ROBERTS BOOK COMPANY

P.O. Box 758 Bergen Park
Evergreen, Colorado